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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,573	02/16/2001	Richard F. Creeth	03270- P0001A	4253
24126 7590 09/10/2007 ST. ONGE STEWARD JOHNSTON & REENS, LLC 986 BEDFORD STREET STAMFORD, CT 06905-5619			EXAMINER CORRIELUS, JEAN M	
			ART UNIT	PAPER NUMBER
			2162	
			MAIL DATE	DELIVERY MODE
			09/10/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Interview Summary

**Application No.**

09/785,573

**Applicant(s)**

CREETH, RICHARD F.

**Examiner**

Jean M. Corrielus

**Art Unit**

2162

All participants (applicant, applicant's representative, PTO personnel):

(1) Jean M. Corrielus.

(3) \_\_\_\_\_

(2) Stephen P. McNamara (REg. no. 32,745).

(4) \_\_\_\_\_

Date of Interview: 31 August 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description: \_\_\_\_\_

Claim(s) discussed: \_\_\_\_\_

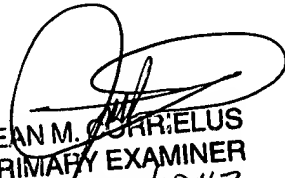
Identification of prior art discussed: \_\_\_\_\_

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Stephen McNamara, Applicant's representative, was informed that a attached copy of the signed approved of reopened prosecution of the last office action is forwarded to the Applicant.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
JEAN M. CORRIELUS  
PRIMARY EXAMINER  
Art Unit 2162

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**DETAILED ACTION**

1. This office action is in response to the Appeal brief filed on March 05, 2007, in which claims 11-43 are presented for further examination.

***Reopening of Prosecution After Appeal Brief***

2. In view of the Appeal Brief filed on March 05, 2007, PROSECUTION IS HEREBY REOPENED. New grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

***Response to Arguments***

3. Applicant's arguments filed on March 05, 2007, with respect to the rejection(s) of claim(s) 11-43 under 35 USC 102 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Greenfield US Patent no. 7,010,523 and Perks et al., US Patent 7,191,196.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 11-43 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The body of claims 11, 24 and 27 does not appear to actually support the preamble by including a step or steps, which accomplish that act of displaying data from a multidimensional database to a user. It also appears that the limitations of the claims do link to each other. Each of the limitation of the claims execute their own function without depending on the other to perform their task, which is difficult to one having ordinary skill in the art to analyze how the limitations as claimed arrive to the novelty of the invention as argued by the applicant. Amendment to claimed limitations is hereby advised.

Claims 12-22, 25-26 and 28-43 are rejected for incorporated the problem of their respective base claims.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 11-17 and 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Greenfield et al., (hereinafter "Greenfield") US Patent no. 7,010,523 and Perks et al., (hereinafter "Perks") US Patent No. 7,191,196.

As to claim 1, Greenfield discloses the claimed "a system computer"(a computer system o, item 700 of fig.7; relational database computer system, see item 121 of fig.1); "a multidimensional database accessible by said computer, said multidimensional database having objects stored thereon" (a OLAP data server having stored therein OLAP application and object coupled the relational database computer system, see col.2, lines 50-62); and "object model software executing on said system computer for instantiating and inflating a predefined group of specified objects" (the OLAP application which the object model software executing on the relational database computer system instantiating the multidimensional object, which is a predefined object and then populating (inflating) the predefined object, see col.5, lines 52-55). Greenfield does not explicitly disclose the use of instantiating and inflating nonspecified objects, which are not included in the predefined group of specified objects on demand as each of the nonspecified objects is accessed. However, Greenfield does not disclose the use of creating a new source objects from existing source objects (col.16, lines 61-62), but Greenfield fails to instantiating and inflating the new object. On the other hand, Perks, discloses the above limitation "instantiating

Art Unit: 2162

and inflating nonspecified objects, which are not included in the predefined group of specified objects on demand as each of the nonspecified objects is accessed” (inflating newly instantiating objects, see col. 7, lines 60-61, wherein the newly instantiated objects are from the current class version, which are the new object, see col.7, lines 49-55). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was to modify Greenfield’s system by incorporating the use of instantiating and inflating nonspecified objects, which are not included in the predefined group of specified objects on demand as each of the nonspecified objects is accessed in the same conventional manner as disclosed by Perks. One having ordinary skill in the art would have found it motivated to use such a modification for the purpose of preventing error when version mismatches are detected between instantiated and inflated data objects.

As to claim 12, Greenfield discloses the claimed “software executing on said computer for receiving from the user an indication of specified objects (the OLAP application service is responsible for receiving from a user a set of objects, see col.8, lines 6-15).

As to claim 13, Greenfield discloses the claimed software executing on said computer for receiving from the user state information (the OLAP application service is responsible for receiving from a user a set of objects, see col.8, lines 6-15).

As to claims 14, Greenfield discloses the claimed wherein the specified object comprises collections of objects (set of objects, see col.10, line 65-col.11, line 12).

Art Unit: 2162

As to claims 15, Greenfield discloses the claimed wherein the specified objects comprise specific properties of objects (a set of property, see col.10, lines 19-24).

As to claim 16, Greenfield discloses the claimed “wherein said multidimensional database comprises a database having multidimensional financial data stored thereon (Relational databases have become the dominant database technology for providing online transactional processing (OLTP) capabilities that are essential for businesses to keep track of their sales, transactions, and other affairs, as a result, data warehouses contain a wealth of data that can yield, after analysis, critical information about a business, such as sales trends and product line profitability in order to provide a crucial edge in an increasingly competitive marketplace, see abstract and col.1, lines 21-31).

As to claim 17, Greenfield discloses the claimed “wherein said multidimensional database comprises an OLAP database” (OLAP applications are based on a multidimensional view of data stored in a data warehouse and work with queries that represent selections of data. The following definitions introduce concepts that reflect the multidimensional view and are basic to OLAP, see col.4, lines 17-21).

As to claims 24-26:

The limitations of claims 24-26 have been noted in the rejection of claims 11-17 above. In addition, Greenfield discloses “a software executing on said computer for receiving from the user



Art Unit: 2162

an indication of specified objects and state information” (the OLAP application service is responsible for receiving from a user a set of objects, see col.8, lines 6-15).

8. Claims 27-43 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

9. Claims 18-23 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

### ***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean M. Corrielus whose telephone number is (571) 272-4032. The examiner can normally be reached on 10 hours shift.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2162


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jean M Corrielus  
Primary Examiner  
Art Unit 2162

July 23, 2007

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

*John Breene*

  
APU MOFIZ  
SUPERVISORY PATENT EXAMINER  
(FOR JOHN BREENE)